**BRUHAT BANGALORE MAHANAGARA PALIKE**

**YELAHANKA ZONE**

***NAME OF WORK:-*** ***Estimate for the Providing Covering Slab and Construction of Cross Drains in Jakkur Plantation Road in ward no. 7, (Byatarayanapura ) in Kodigehalli Sub Division***

| | | | | | | | ESTIMATED COST | | 2250000.00 |
|---|---|---|---|---|---|---|---|---|---|
| Sl | Description of work | Unit | No | Length | Breadth | Depth | Quantity | Rate | Amount |
| 1 | KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (P. 5, I.No. 2.3) SR-2013-14 | | | | | | Cum | | |
| | C.D. | | 1 | 8.00 | 1.80 | 0.90 | **12.96** | **151.74** | **1967.00** |
| | Basic Rate | 140.50 | | | | | | | |
| | Area Weightage @ 8% | 11.24 | | | | | | | |
| | Total | **151.74** | | | | | | | |
| 2 | KSRB 4-1.2: Providing and laying in position plain cement concrete of I mix M10 With OPC cement @ 220 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P. 12, I.No. 4.2) SR-2013-14 | | | | | | Cum | | |
| | C.D. | | 1 | 8.00 | 1.80 | 0.90 | **12.96** | **4497.12** | **58283.00** |
| | Basic Rate | 4164.00 | | | | | | | |
| | Area Weightage @ 8% | 333.12 | | | | | | | |
| | Total | **4497.12** | | | | | | | |
| 3 | KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (P. 25, I.No. 5.6) SR-2013-14 | | | | | | Cum | | |
| | C.D. | | 2 | 8.00 | 0.60 | 0.60 | **5.76** | | |
| | | | | | | | **5.76** | **262.96** | **1515.00** |
| | Basic Rate | 3287.00 | | | | | | | |
| | Area Weightage @ 8% | 262.96 | | | | | | | |
| | Total | **262.96** | | | | | | | |
| 4 | KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons (page. 17, Item No. 4.31 )SR 2013-14 | | | | | | Sqm | | |
| | C.D. | | 1 | 8.00 | 0.60 | | **4.80** | | |
| | | | | | | | **4.80** | **271.08** | **1301.00** |
| | Basic Rate | 251.00 | | | | | | | |
| | Area Weightage @ 8% | 20.08 | | | | | | | |
| | Total | **271.08** | | | | | | | |
| 5 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel, fabrication and plastering charges)Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (1:1.5:3) (Cement-320Kg/cum) ( P. 19, I.No. 4.49.1) SR-2013-14 | | | | | | Cum | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | C.D. | | 1 | 8.00 | 1.50 | 0.23 | **2.76** | | |
| | | | | | | | **2.76** | **6468.12** | **17852.00** |
| | Basic Rate | 5989.00 | | | | | | | |
| | Area Weightage @ 8% | 479.12 | | | | | | | |
| | Total | **6468.12** | | | | | | | |
| 6 | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (P. 19, I.No. 4.46) SR-2013-14 (TMT Bars Fe-415) | | | | | | **Qtl** | | |
| | C.D. | | 1 | 8.00 | 1.50 | 0.23 | **2.76** | | |
| | | | | | | | **331.20** | | |
| | 2.76x 120Kg/Cum | | | | | | **3.31** | **7380.72** | **24430.00** |
| | Basic Rate | 6834.00 | | | | | | | |
| | Area Weightage @ 8% | 546.72 | | | | | | | |
| | Total | **7380.72** | | | | | | | |
| 7 | KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.122.I.No. 15.3) SR-2013-14 | | | | | | **Sqm** | | |
| | C.D. | | 2 | 8.00 | | 0.60 | **9.60** | | |
| | | | | | | | **9.60** | **79.92** | **767.00** |
| | Basic Rate | 74.00 | | | | | | | |
| | Area Weightage @ 8% | 5.92 | | | | | | | |
| | Total | **79.92** | | | | | | | |
| 8 | KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to **wet mix** macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. (P. 170, Item No. 20.18) SR 2013-14 | | | | | | **Cum** | | |
| | | | 1 | 620.00 | 11.50 | ~~0.23~~ 0.20 | **1639.90** | 1426.00 | |
| | | | 1 | ~~80.00~~ 155 | 11.50 | 0.20 | **184.00** | 356.50 | |
| | | | | | | | **1823.90** | **1121.04** | **2044665.00** |
| | Basic Rate Rs. | 1038.00 | | | | | 1782.50 | | 1998254 |
| | Add 8% A.W Rs. | 83.04 | | | | | | | |
| | **Total Rate Rs.** | **1121.04** | | | | | | | |
| 9 | Covering Slab (Date Rate) | | | | | | | | |
| | | | 1 | 200.00 | 1.50 | | **300.00** | | |
| | Basic Rate Rs. | 280.00 | | | | | **300.00** | **302.40** | **90720.00** |
| | Add 8% A.W Rs. | 22.40 | | | | | | | |
| | **Total Rate Rs.** | **302.40** | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 10 | Lead for Disposal of Debris shall be payable at carage rates by Mechanical means including loading and unloading. From 0.00 to 5.00 Km ( Page No.141) | | | | | | | Cum | |
| | Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00 | | | | | | | | |
| | Average weight of earth 1.28 tonne / kg | | Qty vide Item No.1 | | | | -- | 12.96 | 72.71 | 942.00 |
| | Basic Tate Lead Charges upto 2.00 Kms | 62.20 | | | | | | | | |
| | 2x1.28x2 = | 5.12 | | | | | | | | |
| | Loading and unloading | 67.32 | | | | | | | | |
| | Average Weight of earth 1.28 tone/kg for 6x1.20x2.00=12.00 | 5.39 | | | | | | | | |
| | I.J. TPJ charges | 72.71 | | | | | | | | 22500 |
| 11 | Miscelleneous & Rounding off | | | | | | | | 8789 | 7558.00 |
| | | | | | Toatl Rs. | | | | | 2250000.00 |
| | (Rupees:- Twenty Two Lakhs Fifty Thousand Only) | | | | | | | | | |

Subject to lead got to be approved

**CERTIFICATE:**

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2013-14
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

**Executive Engineer**
**Byatarayanapura Division**
**BBMP**

Technical Sanction for Rs. 22.50 lakhs
Twenty two lakhs fifty thousand only
P. 1771
Registered as EE No:...../.....Subject to conditions contained enclosed memo.
No: SE/Yel/30/13-14 Dr. 29/10/13.
AE/JE
EE/BTP Div.

ADMINISTRATIVELY SANCTIONED FOR Rs 22.50 Lks
Rupees Twenty two lakhs fifty thousand only.
Under
P. 1771
Registered as EE ( ) No 9
Subject to conditions contained in enclosed memo No SE(Yel)/30/13-14
Dt 30/10/13. Estimate A/S sanctioned
No
Dated Rs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92
30/10/13.